

**HISTORICAL SUMMARY OF THE FEDERAL RECOMMENDED
POLICY ON THE CONTROL OF VOLATILE ORGANIC COMPOUNDS
AND ITS IMPLEMENTATION IN ILLINOIS**

(Updated: October 2, 2011)

Beginning in 1977, USEPA's *Recommended Policy on the Control of Volatile Organic Compounds* (Recommended Policy) exempt certain chemical compounds from the definition of VOC or VOM.¹ These compounds were exempt due to their negligible photochemical reactivity (*i.e.*, their reduced capacity for partaking in the complex atmospheric chemical reactions that result in the formation in tropospheric ozone). Ultimately, in 1991, USEPA codified its Recommended Policy in the *Code of Federal Regulations* at 40 C.F.R. 51.100(s) in its definition of VOC.

Specifically, on July 8, 1977, USEPA established its Recommended Policy in the *Federal Register* at 42 Fed. Reg. 35314. At that time, USEPA stated that the following compounds should be exempt from regulation due to their negligible photochemical reactivity:

methane;
ethane;
methylene chloride (dichloromethane)²;
1,1,1-trichloroethane (methyl chloroform); and
trichlorotrifluoroethane (CFC-113 or Freon 113).

USEPA clarified its policy on June 4, 1979, at 44 Fed. Reg. 32043, and May 16, 1980, at 45 Fed. Reg. 32424.

USEPA later amended its Recommended Policy by adding exempt compounds. On July 22, 1980, at 45 Fed. Reg. 48941, USEPA added five chlorofluorocarbons (CFCs) and one fluorocarbon (FC)³:

¹ USEPA consistently uses the term "VOC" rather than "VOM," but both designations refer to the same matter. All references in this opinion and order to "VOM" refer to what USEPA calls "VOC."

² USEPA's July 8, 1977 discussion mentioned methylene chloride and several other compounds, but none was included in either Table 1, which actually listed the recommended-exempt compounds, and methylene chloride did not appear in Table 2, which listed low-reactivity compounds. However, the June 4, 1979 and May 16, 1980 clarifications and later amendments make it clear that USEPA considered methylene chloride exempt as of the initial publication of the Recommended Policy on July 8, 1977.

³ This action purported to add trichlorotrifluoroethane (CFC-113), but that compound was originally listed on July 8, 1977, although then given the parenthetical designation "Freon-113." That USEPA counted this single compound twice was further apparent in the action of January

trichlorofluoromethane (CFC-11);
dichlorodifluoromethane (CFC-12);
chlorodifluoromethane (CFC-22);
trifluoromethane (FC-23);
dichlorotetrafluoroethane (CFC-114); and
chloropentafluoroethane (CFC-115).

On January 18, 1989, at 54 Fed. Reg. 1987, USEPA added four hydrohalocarbon compounds (HFCs and HCFCs) to the list of those exempt:

dichlorotrifluoroethane (HCFC-123);
tetrafluoroethane (HFC-134a);
dichlorofluoroethane (HCFC-141b); and
chlorodifluoroethane (HCFC-142b).

Finally, on March 18, 1991, at 52 Fed. Reg. 11418, USEPA revisited certain compounds earlier denied exemption and revised the Recommended Policy for the last time, to exclude five additional hydrohalocarbon compounds and four classes of fluorocarbon compounds. The five hydrohalocarbon compounds were:

2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124);
pentafluoroethane (HFC-125);
1,1,2,2-tetrafluoroethane (HFC-134);
1,1,1-trifluoroethane (HFC-143a); and
1,1-difluoroethane (HFC-152a).

The four classes of fluorocarbon compounds were:

cyclic, branched, or linear, completely-fluorinated alkanes;
cyclic, branched, or linear, completely-fluorinated ethers with no unsaturations;
cyclic, branched, or linear, completely-fluorinated tertiary amines with no unsaturations;
and
sulfur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

On March 18, 1991, at 56 Fed. Reg. 11387, USEPA proposed codifying the Recommended Policy in its definition of VOC at 40 C.F.R. 51.100(s). This proposed action was undertaken in conjunction with the last amendments to the Recommended Policy discussed above. USEPA adopted the amended definition of VOC on February 3, 1992, at 57 Fed. Reg. 3945. This USEPA codification included all the compounds and classes of compounds previously included as exempt in the Recommended Policy. It also included test methods for

18, 1989, discussed in the text below, when it referred to a list of exempt compounds that included “eight additional chlorofluorocarbons (CFCs).”

determining compliance with the VOC emissions limits, and a provision addressing situations where the test method also measured exempt compounds.

USEPA subsequently amended the 40 C.F.R. 51.100(s) definition of VOM on a number of occasions. Those are summarized as follows:

Date of Amendment (Federal Citation)	Compound(s) Exempted	Date Exempted in Illinois (Board Docket)
October 5, 1994 (59 Fed. Reg. 50696)	Parachlorobenzotrifluoride (PCBTF) Cyclic, branched, or linear completely-methylated siloxanes	July 12, 1995 (R95-2)
June 16, 1995 (60 Fed. Reg. 31633)	Acetone (2-propanone or dimethylketone)	October 19, 1995 (R95-16)
February 7, 1996 (61 Fed. Reg. 4588)	Perchloroethylene	February 6, 1997 (R96-16)
October 8, 1996 (61 Fed. Reg. 52847)	1,1,1,2,3,4,4,5,5,5-Decafluoropentane (HFC 43-10mee) 3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca) 1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	May 16, 1997 (R97-17)

Date of Amendment (Federal Citation)	Compound(s) Exempted	Date Exempted in Illinois (Board Docket)
August 22, 1997 (62 Fed. Reg. 44900)	1-Chloro-1-fluoroethane (HCFC-151a) Chlorofluoromethane (HCFC-31) 1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a) Difluoromethane (HFC-32) 2-(Difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF ₃) ₂ CFCF ₂ OCH ₃) 2-(Ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF ₃) ₂ CFCF ₂ OC ₂ H ₅) 1-Ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane (C ₄ F ₉ OC ₂ H ₅ or HFE-7200) Ethylfluoride (HFC-161) 1,1,1,2,3,3-Hexafluoropropane (HFC-236ea) 1,1,1,3,3,3-Hexafluoropropane (HFC-236fa) 1,1,1,2,2,3,3,4,4-Nonafluoro-4-methoxybutane (C ₄ F ₉ OCH ₃ or HFE-7100) 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) 1,1,2,2,3-Pentafluoropropane (HFC-245ca) 1,1,2,3,3-Pentafluoropropane (HFC-245ea) 1,1,1,2,3-Pentafluoropropane (HFC-245eb) 1,1,1,3,3-Pentafluoropropane (HFC-245fa)	June 22, 1998 (R98-17)
April 9, 1998 (63 Fed. Reg. 17331)	Methyl acetate	June 22, 1998 (R98-17)
November 29, 2004 (69 Fed. Reg. 69290)	1,1,1,2,2,3,3-Heptafluoro-3-methoxypropane (HFE-7000) 3-Ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)hexane (HFE-7500) 1,1,1,2,3,3,3-Heptafluoropropane (HFC-227ea) Methyl formate	May 23, 2005 (R05-16)
November 29, 2004 (69 Fed. Reg. 69298)	<i>t</i> -Butyl acetate ⁴	May 23, 2005 (R05-16)

⁴ USEPA excluded *t*-butyl acetate from the definition of VOC for purposes of emissions control and VOC content requirements. USEPA retained *t*-butyl acetate as a VOC for purposes of recordkeeping, emissions reporting, photochemical dispersion modeling, and inventory requirements.

Date of Amendment (Federal Citation)	Compound(s) Exempted	Date Exempted in Illinois (Board Docket)
January 18, 2007 (72 Fed. Reg. 69298)	1,1,1,2,2,3,4,5,5,5-Decafluoro-3-methoxy-4-trifluoromethyl-pentane (HFE-7300 and L-14787)	January 16, 2008 (R08-6)
January 21, 2009 (74 Fed. Reg. 3437)	Dimethyl carbonate Propylene carbonate (4-methyl-1,3-dioxolan-2-one)	January 11, 2010 (R10-7)
June 22, 2012 77 Fed. Reg. 37610	<i>trans</i> -1,3,3,3-Tetrachloropropene (HFO-1234ze)	January 14, 2013 (Projected) (R13-1)

**HISTORICAL SUMMARY OF EXCLUSIONS FROM
THE ILLINOIS DEFINITION OF VOM**

Public Act 80-1299, effective August 2, 1978, added Section 9.1 to the Act. Subsection (e) of Section 9.1 (formerly subsection (c)) requires the Board to incorporate exemptions into the Illinois definition of VOM based on the federal exemptions. This provision required the Board to use the Section 7.2 identical-in-substance procedure (exempt from Section 27 of the Act (415 ILCS 5/27 (2002) and the notice provisions of the APA) to incorporate the federal exemptions into the Illinois definition of VOM.

The Board initially adopted the exemptions as part of Section 27 general rulemakings. In dockets R78-3 and R78-4 (consolidated), on August 23, 1979, as part of the original Reasonably Available Control Technology (RACT) rules, the Board adopted a definition of VOM that excluded methane and ethane, expressly declining to exempt methylene chloride, 1,1,1-trichloroethane, and CFC-113. In docket R80-5, on December 30, 1982, as part of the RACT II rules, the Board added methylene chloride and 1,1,1-trichloroethane to the list of exempt compounds. Finally, in docket R86-37, on December 22, 1987, the Board added the other six CFC and one FC compounds that USEPA had excluded in its Recommended Policy up to that date.

After that time, the Board repeatedly used the identical-in-substance procedure to incorporate federal additions to the list of exempt compounds. In docket R89-8, on October 18, 1989, the Board amended the definition of VOM to exempt the additional compounds excluded by USEPA on January 18, 1989. In docket R91-10, on September 12, 1991, the Board added the one HCFC, four HFCs, and four classes of compounds exempt by USEPA on March 18, 1991.

In docket R91-24, on July 30, 1992, the Board further updated the Illinois definition of VOM for purposes of the metropolitan Chicago and East St. Louis areas.⁵

Beginning in 1992, with USEPA’s codification of the compounds excluded from VOC, the Board had a way to readily determine the status of the list of exempt compounds: by referring to the “List of Sections Affected” in the *Code of Federal Regulations*. At that time, the Board started treating the updates to the definition of VOM in the same manner that the Board treats all other identical-in-substance subject matters. The Board began routinely reserving dockets for each succeeding six-month period and specifically monitoring for federal revisions. Accordingly, the Board has opened several dockets assigned to this subject matter, and the Board has dismissed dockets when USEPA did not amend its definition in the relevant time-frame. Before USEPA’s codification of excluded compounds, the Board relied on the Illinois Environmental Protection Agency and the regulated community to specifically draw the Board’s attention to any amendments to USEPA’s Recommended Policy. The Board has consistently worked to ensure that the Illinois definition of VOM is the same as that used by USEPA, and that any federal revisions are promptly reflected in the Illinois definition.

What follows is a summary listing of all Board dockets related to exemptions from the definition of VOM. This table indicates the docket number of each proceeding, the date and nature of the Board action on each docket, and the general subject matter of each. Those entries that appear in bold italic amended the definition of VOM to exempt new compounds.

Board Docket	Board Action and Date. (Explanation/Docket Contents)
R78-3 & R78-4	Adopted August 23, 1979. (RACT regulations (general rulemaking); established a definition of VOM, exempting ethane and methane)
R80-5	Adopted December 30, 1982. (RACT II regulations (general rulemaking); generally amending the definition of VOM, exempting methylene chloride and 1,1,1-trichloroethane)
R86-37	Adopted December 22, 1987. (Amendments to VOM regulations (general rulemaking); exempting chlorodifluoromethane, chloropentafluoroethane, dichlorodifluoromethane, dichlorotetrafluoroethane, trichlorofluoromethane, trichlorotrifluoroethane, and trifluoromethane)
R89-8	Adopted October 18, 1989. (USEPA amendments of January 18, 1989; exempting chlorodifluoroethane, dichlorofluoroethane, dichlorotrifluoroethane, and tetrafluoroethane)

⁵ The amendments in docket R91-24 extended the exemptions to the definitions of VOM formerly found in 35 Ill. Adm. Code 218 and 219, which the Board added in dockets R91-7 and R91-8, on July 25, 1991. However, in docket R93-9, on September 9, 1993, the Board consolidated all definitions into 35 Ill. Adm. Code 211.

Board Docket	Board Action and Date. (Explanation/Docket Contents)
R91-10	Adopted September 12, 1991. (USEPA amendments of March 18, 1991; exempting 2-chloro-1,1,1,2-tetrafluoroethane, 1,1-difluoroethane (hfc-152a), pentafluoroethane, 1,1,2,2-tetrafluoroethane, 1,1,1-trifluoroethane, and four classes of perfluorocarbon compounds (cyclic, branched, or linear, completely fluorinated alkanes; cyclic, branched, or linear, completely fluorinated ethers with no unsaturations; cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and sulphur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine)
R91-24	Adopted July 30, 1992. (Extended exemptions to Chicago and Metro-East areas and responded to the February 3, 1992 USEPA codification of the exemptions)
<i>R92-6</i>	<i>Dismissed April 9, 1992. (No USEPA amendments during July 1, 1991 through December 31, 1991)</i>
<i>R92-15</i>	<i>Dismissed August 13, 1992. (No USEPA amendments during January 1, 1992 through June 30, 1992)</i>
<i>R93-3</i>	<i>Dismissed January 21, 1993. (No USEPA amendments during July 1, 1992 through December 31, 1992)</i>
<i>R93-21</i>	<i>Dismissed September 23, 1993. (No USEPA amendments during January 1, 1993 through June 30, 1993)</i>
<i>R94-3</i>	<i>Dismissed March 31, 1994. (No USEPA amendments during July 1, 1993 through December 31, 1993)</i>
<i>R94-22</i>	<i>Dismissed October 6, 1994. (No USEPA amendments during January 1, 1994 through June 30, 1994)</i>
R95-2	Adopted July 7, 1995. (USEPA amendments during July 1, 1994 through December 31, 1994: those of October 5, 1994; exempting parachlorobenzotrifluoride and a class of methylated siloxane compounds (cyclic, branched, or linear completely-methylated siloxanes))
R95-16	Adopted October 19, 1995. (USEPA amendments during January 1, 1995 through June 30, 1995: those of June 16, 1995; exempting acetone)
<i>R96-6</i>	<i>Dismissed February 15, 1996. (No USEPA amendments during July 1, 1995 through December 31, 1995)</i>

Board Docket	Board Action and Date. (Explanation/Docket Contents)
R96-16	Adopted February 6, 1997. (USEPA amendments during July 1, 1996 through December 31, 1996: those of February 7, 1996; exempting perchloroethylene)
<i>R97-1</i>	<i>Dismissed October 17, 1996. (USEPA amendments during January 1, 1995 through June 30, 1995: those of February 7, 1996 were included in docket R96-16)</i>
R97-17	Adopted May 15, 1997. (USEPA amendments during July 1, 1996 through December 31, 1996: those of October 8, 1996; exempting 1,2-dichloro-1,1,2,2,3-pentafluoropropane, 3,3-dichloro-1,1,1,2,2-pentafluoropropane, and 1,1,1,2,3,4,4,5,5,5-decafluoropentane)
<i>R98-1</i>	<i>Dismissed August 7, 1997. (No USEPA amendments during January 1, 1997 through June 30, 1997)</i>
R98-17	Adopted June 17, 1998. (USEPA amendments during July 1, 1997 through December 31, 1997 and April 9, 1998: those of August 25, 1997 and April 9, 1998; exempting chlorofluoromethane, 1-chloro-1-fluoroethane, 1,2-dichloro-1,1,2-trifluoroethane, difluoromethane, 2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane, 2-(ethoxy-difluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane, 1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane, ethylfluoride, 1,1,1,2,3,3-hexafluoropropane, 1,1,1,3,3,3-hexafluoropropane, methyl acetate, 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxybutane, 1,1,2,2,3-pentafluoropropane, 1,1,2,3,3-pentafluoropropane, 1,1,1,2,3-pentafluoropropane, 1,1,1,3,3-pentafluoropropane, and 1,1,1,3,3-pentafluorobutane)
<i>R99-5</i>	<i>Dismissed August 20, 1998. (USEPA amendments during January 1, 1998, through June 30, 1998: those of April 9, 1998 were included in docket R98-17)</i>
<i>R99-11</i>	<i>Dismissed February 18, 1999. (No USEPA amendments during July 1, 1998, and December 31, 1998)</i>
<i>R00-1</i>	<i>Dismissed August 19, 1999. (No USEPA amendments during January 1, 1999, through June 30, 1999)</i>
<i>R00-9</i>	<i>Dismissed February 17, 2000. (No USEPA amendments during July 1, 1999, through December 31, 1999)</i>
<i>R01-6</i>	<i>Dismissed July 27, 2000. (No USEPA amendments during January 1, 2000, through June 30, 2000)</i>

Board Docket	Board Action and Date. (Explanation/Docket Contents)
R01-19	<i>Dismissed March 1, 2001. (No USEPA amendments during July 1, 2000, and December 31, 2000)</i>
R02-4	<i>Dismissed August 23, 2001. (No USEPA amendments during January 1, 2001, through June 30, 2001)</i>
R02-15	<i>Dismissed February 21, 2002. (No USEPA amendments during July 1, 2001 through December 31, 2001)</i>
R03-3	<i>Dismissed August 8, 2002. (No USEPA amendments during January 1, 2002 and June 30, 2002)</i>
R03-14	<i>Dismissed February 6, 2003. (No USEPA amendments during July 1, 2002 and December 31, 2002)</i>
R04-2	<i>Dismissed August 7, 2003. (No USEPA amendments during January 1, 2003 and June 30, 2003)</i>
R04-19	<i>Dismissed March 4, 2004. (No USEPA amendments during July 1, 2003 through December 31, 2003)</i>
R05-5	<i>Dismissed September 16, 2004. (No USEPA amendments during January 1, 2004 through June 30, 2004)</i>
R05-16	Adopted May 19, 2005. (USEPA amendments during July 1, 2004 through December 31, 2004: those of November 29, 2004; exempting tert-butyl acetate, 3-ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)-hexane, 1,1,1,2,2,3,3-heptafluoro-3-methoxypropane, and 1,1,1,2,3,3,3-heptafluoropropane, methyl formate)
R06-3	<i>Dismissed September 1, 2005. (No USEPA amendments during January 1, 2005 through June 30, 2005)</i>
R06-14	<i>Dismissed May 18, 2006. (No USEPA amendments during July 1, 2005 through December 31, 2005)</i>
R07-1	<i>Dismissed September 21, 2006. (No USEPA amendments during January 1, 2006 through June 30, 2006)</i>
R07-10	<i>Dismissed February 1, 2007. (No USEPA amendments during July 1, 2006 through December 31, 2006)</i>

Board Docket	Board Action and Date. (Explanation/Docket Contents)
R08-6	Adopted January 10, 2008. (USEPA amendments during January 1, 2007 through June 30, 2007: those of January 18, 2007; exempting 1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-trifluoromethyl-pentane)
R08-12	<i>Dismissed March 6, 2008. (No USEPA amendments during July 1, 2007 through December 31, 2007)</i>
R09-6	<i>Dismissed August 21, 2008. (No USEPA amendments during January 1, 2008 through June 30, 2008)</i>
R09-12	<i>Dismissed March 5, 2009. (No USEPA amendments during July 1, 2008 through December 31, 2008)</i>
R10-7	Adopted January 7, 2010. (USEPA amendments during January 1, 2009 through June 30, 2009: those of January 21, 2009; exempting dimethyl carbonate and propylene carbonate)
R10-16	<i>Dismissed April 1, 2010. (No USEPA amendments during July 1, 2009 through December 31, 2009)</i>
R11-5	<i>Dismissed August 5, 2010. (No USEPA amendments during January 1, 2010 through June 30, 2010)</i>
R11-12	<i>Dismissed February 17, 2011. (No USEPA amendments during July 1, 2010 through December 31, 2010)</i>
R12-5	<i>Dismissed August 4, 2011. (No USEPA amendments during January 1, 2011 through June 30, 2011)</i>
R12-16	<i>Dismissed February 2, 2012. (No USEPA amendments during July 1, 2011 through December 31, 2011)</i>
R13-1	Adoption projected for January 3, 2013, 2012. (USEPA amendments during January 1, 2012 through June 30, 2012: those of June 22, 2012; exempting trans-1,3,3,3-tetrachloropropene)

The following table lists the compounds exempt from the definition of VOM to date in alphabetical order. The table sets forth the date USEPA excluded each compound from the definition of VOC and the date on which the Board subsequently voted to exempt each from the definition of VOM in Illinois.

Exempt Compound	Date of Federal Exemption	Date Exempt in Illinois
Acetone (2-propanone or dimethylketone)	June 16, 1995	October 19, 1995

Exempt Compound	Date of Federal Exemption	Date Exempt in Illinois
<i>t</i> -Butyl acetate	November 29, 2004	May 23, 2005
1-Chloro-1,1-difluoroethane (HCFC-142b)	January 18, 1989	October 18, 1989
Chlorodifluoromethane (CFC-22)	July 22, 1980	December 22, 1987
1-Chloro-1-fluoroethane (HCFC-151a)	August 22, 1997	June 17, 1998
2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	March 18, 1991	September 12, 1991
Chlorofluoromethane (HCFC-31)	August 22, 1997	June 17, 1998
Chloropentafluoroethane (CFC-115)	July 22, 1980	December 22, 1987
1,1,1,2,2,3,4,5,5,5-Decafluoro-3-methoxy-4-trifluoromethyl-pentane (HFE-7300 and L-14787)	January 18, 2007	January 16, 2008
1,1,1,2,3,4,4,5,5,5-Decafluoropentane (HFC 43-10mee)	October 8, 1996	May 15, 1997
Dichlorodifluoromethane (CFC-12)	July 22, 1980	December 22, 1987
1,1-Dichloro-1-fluoroethane (HCFC-141b)	January 18, 1989	October 18, 1989
3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	October 8, 1996	May 15, 1997
1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	October 8, 1996	May 15, 1997
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC-114)	July 22, 1980	December 22, 1987
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)	August 22, 1997	June 17, 1998
1,1-Difluoroethane (HFC-152a)	March 18, 1991	September 12, 1991
Difluoromethane (HFC-32)	August 22, 1997	June 17, 1998
2-(Difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF ₃) ₂ CFCF ₂ OCH ₃)	August 22, 1997	June 17, 1998
Dimethyl carbonate	January 21, 2009	January 11, 2010
Ethane	July 8, 1977	August 23, 1979
2-(Ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF ₃) ₂ CFCF ₂ OC ₂ H ₅)	August 22, 1997	June 17, 1998
Ethylfluoride (HFC-161)	August 22, 1997	June 17, 1998
1-Ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane (C ₄ F ₉ OC ₂ H ₅ or HFE-7200)	August 22, 1997	June 17, 1998
3-Ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)hexane (HFE-7500)	November 29, 2004	May 23, 2005
1,1,1,2,2,3,3-Heptafluoro-3-methoxypropane (n-C ₃ F ₇ OCH ₃ or HFE-7000)	November 29, 2004	May 23, 2005
1,1,1,2,3,3,3-Heptafluoropropane (HFC-227ea)	November 29, 2004	May 23, 2005
1,1,1,2,3,3-Hexafluoropropane (HFC-236ea)	August 22, 1997	June 17, 1998
1,1,1,3,3,3-Hexafluoropropane (HFC-236fa)	August 22, 1997	June 17, 1998
Methane	July 8, 1977	August 23, 1979
Methyl acetate	April 9, 1998	June 17, 1998
Methylene chloride (dichloromethane)	July 8, 1977	December 30, 1982
Methyl formate (HCOOCH ₃)	November 29, 2004	May 23, 2005
1,1,1,2,2,3,3,4,4-Nonafluoro-4-methoxybutane (C ₄ F ₉ OCH ₃ or HFE-7100)	August 22, 1997	June 17, 1998

Exempt Compound	Date of Federal Exemption	Date Exempt in Illinois
Parachlorobenzotrifluoride (PCBTF)	October 5, 1994	July 7, 1995
1,1,1,3,3-Pentafluorobutane (HFC-365mfc)	August 22, 1997	June 17, 1998
Pentafluoroethane (HFC-125)	March 18, 1991	September 12, 1991
1,1,2,2,3-Pentafluoropropane (HFC-245ca)	August 22, 1997	June 17, 1998
1,1,2,3,3-Pentafluoropropane (HFC-245ea)	August 22, 1997	June 17, 1998
1,1,1,2,3-Pentafluoropropane (HFC-245eb)	August 22, 1997	June 17, 1998
1,1,1,3,3-Pentafluoropropane (HFC-245fa)	August 22, 1997	June 17, 1998
Perchloroethylene (tetrachloroethylene)	February 7, 1996	February 6, 1997
Perfluorocarbon compounds: Cyclic, branched, or linear, completely fluorinated alkanes	March 18, 1991	September 12, 1991
Perfluorocarbon compounds: Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations	March 18, 1991	September 12, 1991
Perfluorocarbon compounds: Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations	March 18, 1991	September 12, 1991
Perfluorocarbon compounds: Sulfur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine	March 18, 1991	September 12, 1991
Propylene carbonate	January 21, 2009	January 11, 2010
<i>trans</i> -1,3,3,3-Tetrachloropropene	June 22, 2012	January 14, 2013 (projected)
1,1,2,2-Tetrafluoroethane (HFC-134)	March 18, 1991	September 12, 1991
1,1,1,2-Tetrafluoroethane (HFC-134a)	January 18, 1989	October 18, 1989
1,1,1-Trichloroethane (methyl chloroform)	July 8, 1977	December 30, 1982
Trichlorofluoromethane (CFC-11)	July 22, 1980	December 22, 1987
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)	July 8, 1977	December 22, 1987
1,1,1-Trifluoro-2,2-dichloroethane (HCFC-123)	January 18, 1989	October 18, 1989
1,1,1-Trifluoroethane (HFC-143a)	March 18, 1991	September 12, 1991
Trifluoromethane (HFC-23)	July 22, 1980	December 22, 1987